

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (original):

A method, comprising:
receiving a reset exchange identification (XID) command at a Logical Link Control (LLC) of a mobile station (MS);
resetting all LLC XID parameters to their default values;
discarding all requests that are pending from a layer-3 communication layer to a plurality of logical link entities (LLEs);
receiving a logical link reset indication (LL-RESET-indication) from the LLC at a Sub-Network Dependent Convergence Protocol (SNDCP) layer; and
upon receipt of the LL-RESET-indication, the performing the following acts at the SNDCP:
resetting all SNDCP XID parameters to their default values;
for every network service access point identifier (NSAPI) using unacknowledged peer-to-peer LLC operation, setting a sequence number of the next network packet data unit (N-PDU) to be sent by the SNDCP to zero;
if the NSAPI is using unacknowledged peer-to-peer LLC operation, then:
transmitting outstanding SNDCP-to-LLC requests to the LLC.

Claim 2 (original):

The method of claim 1, comprising the further acts of:
before receiving the XID command:
performing a GSM task;
suspending GPRS service; and
buffering the one or more SNDCP-to-LLC requests in the LLC.

Claim 3 (original):

The method of claim 2, comprising the further acts of:
performing a routing area network update, thereby resulting in the reset XID command being received by the LLC after the buffering by the LLC of the one or more SNDCP-to-LLC

requests.

Claim 4 (original):

The method of claim 2, wherein the act of performing a GSM task comprises performing a MS location area update, the method further comprising the act of:
performing a GPRS task by the MS after suspending the GPRS service.

Claim 5 (original):

The method of claim 2, wherein the GPRS task comprises sending an electronic mail (e-mail) message.

Claim 6 (original):

The method of claim 1, wherein the SNDCP-to-LLC requests include logical link unit data requests.

Claim 7 (original):

The method of claim 1, wherein the SNDCP-to-LLC requests comprise logical link XID requests.

Claims 8 to 11 (Cancelled):

Claim 12 (original):

A method of resetting Sub-Network Dependent Convergence Protocol (SNDCP) reset exchange identification (XID) parameters, initializing SNDCP unacknowledged Network Service Access Point Identifier (NSAPI) network packet data unit (N-PDU) numbers, and recovering outstanding unacknowledged NSAPI requests, comprising the acts of:

receiving, from a Logical Link Control (LLC) layer, a logical link reset indication (LL-RESET-indication) at the SNDCP;

upon receipt of the LL-RESET-indication, the performing the following acts at the SNDCP:

resetting all SNDCP XID parameters to their default values;

for every network service access point identifier (NSAPI) using
unacknowledged peer-to-peer LLC operation, setting a sequence number of the next
N-PDU to be sent by the SNDTCP to zero; and
if the NSAPI is using unacknowledged peer-to-peer LLC operation: transmitting
outstanding SNDTCP-to-LLC requests to the LLC.

Claim 13 to 18 (Cancelled).

Claim 19 (currently amended):

A method of layer-2 recovery comprising the acts of:
identifying a layer-2 reset condition in layer-3;
after identifying the layer-2 reset condition, identifying outstanding layer-3 to layer-2
requests for unacknowledged layer-2 communication; and
resending outstanding layer-3 to layer-2 requests from layer-3 to layer-2; ;
upon identifying the reset condition in layer-3:
setting unacknowledged layer-2 communication sequence numbers to zero in layer-3;
and
entering a recovery state in layer-3 for acknowledged layer-2 communications.

Claim 20 to 21 (cancelled).

Claim 22 (currently amended):

A mobile station, comprising:
a receiver;
a transmitter;
an antenna coupled to the receiver and the transmitter;
one or more processors including:
a layer-2 module which interfaces with the receiver and the transmitter;
a layer-3 module which interfaces with the layer-2 module;
the layer-3 module being operative to facilitate data communication for the
mobile station by sending a plurality of requests to a queue of the layer-2 module, each
request being a type that is acknowledged by the layer-2 module but unacknowledged
by a destination node; and

the layer-3 module being further operative to resend one or more requests that are unacknowledged by the layer-2 module in response to a reset indication;

the layer-3 module being further operative to set, in response to the reset indication at the layer-3 module, a packet data unit (PDU) number to zero for use in resending the one or more requests.

Claim 23 (original):

The mobile station of claim 22, wherein the requests comprise unacknowledged Network Layer Service Access Point Identifier (NSAPI) requests.

Claim 24 (original):

The mobile station of claim 22, further comprising:
the layer-2 module comprising a Logical Link Control (LLC) layer; and
the layer-3 module comprising a recovering Sub-Network Dependent Convergence Protocol (SNDCCP) layer.

Claim 25 (cancelled).

Claim 26 (currently amended):

A method of communicating data comprising:
facilitating data communication by sending a plurality of requests from a layer-3 module to a queue of a layer-2 module, each request being a type that is acknowledged by the layer-2 module but unacknowledged by a destination node; and
in response to a reset indication, resending one or more requests that are unacknowledged by the layer-2 module;
in response to the reset indication at the layer-3 module, setting a packet data unit (PDU) number to zero for use in resending the one or more requests.

Claim 27 (original):

The method of claim 26, wherein the requests comprise unacknowledged Network Layer Service Access Point Identifier (NSAPI) requests.

Claim 28 (original):

The method of claim 26, wherein the layer-2 module comprises a Logical Link Control (LLC) layer and the layer-3 module comprises a recovering Sub-Network Dependent Convergence Protocol (SND CP) layer.

Claim 29 to 40 (cancelled).